



PATENT
455610-2620.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

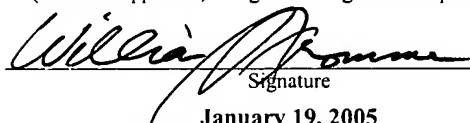
Applicants : Peter J. PUPALAIKIS et al.
Serial No. : 10/693,188
Filed : October 24, 2003
For : HIGH BANDWIDTH REAL-TIME OSCILLOSCOPE
Examiner : Hal D. Wachsman
Art Unit : 2857

745 Fifth Avenue
New York, New York 10151

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 19, 2005.**

William S. Frommer, Reg. No. 25,506

(Name of Applicant, Assignee or Registered Representative)


Signature

January 19, 2005

Date of Signature

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(c)

Commissioner for Patents
P.O. Box 1450,
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure set forth in 37 C.F.R. 1.56, Applicant is filing this Information Disclosure Statement and the accompanying form PTO-1449 along with copies of the prior art therein identified.

This Information Disclosure Statement is being filed after receipt of the first Office Action mailed December 1, 2004.

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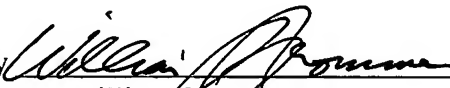
The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

A check in the amount of \$180.00 is enclosed as set forth in 37 C.F.R. 1.17(p).

Please charge any fees incurred by the filing of this document or credit any overpayment to Deposit Account No. 50-0320.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicants

By 
William S. Frommer
Reg. No. 25,506
(212) 588-0800

Encs. - PTO Form 1449
- References (16)

Based on Form PTO-1449 (3-90)				ATTY. DOCKET NO. 455610-2620.1		SERIAL NO. 10/693,188	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Peter J PUPALAIKIS et al.			
				FILING DATE October 24, 2003		GROUP 2857	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AC						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AD	Real-Time Spectrum Analysis Tools Aid Transition to Third-Generation Wireless Technology; Tektronix, Inc. 1999, pp. 1-6
	AE	A Matter of Time: Today's RF Signals Call for a Different Kind of Spectrum Analysis; Tektronix, Inc. 2000, pp. 1-8
	AF	<i>SignatureTM</i> - High Performance Signal Analyzer 100 Hz to 8 GHz; Anritsu, 2000., pp. 1-2
	AG	Agilent E5052A Signal Source Analyzer 10 MHz to 7 GHz; Agilent Technologies, June 9, 2004, pp. 1-6
	AH	R3681 Signal Analyzer; Advantest, 2004, pp. 1-2
	AI	RF Front-end Considerations for SDR Ultra-Wideband Communications Systems; Stephanie Paquelet et al.; RF Design, July 2004, pp. 44-51
	AJ	On Perfect Reconstruction in Critically Sampled Frequency-Domain Scrambler; J.A. Apolinario, Jr., et al.; pp. 1-4
	AK	Sampling and Reconstruction of Periodic Signals; Teodor Neagoe et al.; April 2004, pp. 1-15
	AL	Putting Undersampling to Work; Pentek, Inc.; pp. 1-2
	AM	Reconstruction of Nonuniformly Sampled Bandlimited Signals by Means of Digital Fractional Delay Filters; Hakan Johansson et al.; IEEE Transactions on Signal Processing, Vol. 50, No. 11, November 2002; pp. 2757-2767

EXAMINER	DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	AE						

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AF							
	AG							
	AH							
	AI							
	AJ							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AK	High-Performance Advanced Filter Bank Analog-to-Digital Converter for Universal RF Receivers; Scott R. Velazquez, V Company; IEEE 1998; pp. 229-232
	AL	Frequency Domain Approach for CMOS Ultra-Wideband Radios; Hyung-Jin Lee et al.; Proceedings for the IEEE Computer Society Annual Symposium on VLSI, 2003; pp 1-2
	AM	Frequency-Interleaving Technique for High-Speed A/D Conversion; G. Ding et al.; IEEE 2003; pp. I-857 - I-860
	AN	Design of Hybrid Filter Banks for Analog/Digital Conversion; Scott R. Velazquez et al.; IEEE Transactions on Signal Processing, Vol. 46, No. 4, April 1998; pp. 956-967
	AO	Analog to Digital Conversion of Ultra-Wideband Signals in Orthogonal Spaces; Sebastian Hoyos et al.; IEEE 2003; pp. 47-51
	AP	Understanding Digital Signal Processing; Richard G. Lyons; Prentice Hall Professional Technical Reference, Second Edition 2004; pps.30-39; 346-360; 471-479; and 571-572

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